



The Science of the Total Environment 180 (1996) 271

Author index

Volume 180 (1996)

Alvarez Rodríguez, E. 180, 137, 147 Arocena, J.M. 180, 201

Balode, Z. 180, 49, 81 Balodis, V. 180, 49, 57 Bergqvist, B. 180, 19 Bode, P. 180, 107 Bordin, G. 180, 241 Bright, D.A. 180, 165 Brmelis, G. 180, 57 Brumelis, G. 180, 49 Bucher, J.B. 180, 43

Chang, P.-Y. 180, 211 Chiang, H.-C. 180, 211 Chistic, O. 180, 229 Coddeville, P. 180, 257

Detlavs, I. 180, 35 Dodd, M. 180, 165 Dombrovska, L. 180, 35 Dudas, M.J. 180, 209 Durán, J. 180, 155 Dvornik, A.M. 180, 229

Fernández Marcos, M.L. 180, 137, 147 Forti, M.C. 180, 187

Galt, S. 180, 19 Galvanovskis, J. 180, 19 Goldsmith, J.R. 180, 3 Guillermo, R. 180, 257

Hamnerius, Y. 180, 19 Heinrich, J. 180, 95 Helle, T. 180, 117 Hironaka, R. 180, 221 Ho, S.-T. 180, 211 Juuti, S. 180, 117

Kalnins, T. 180, 51 Kalviskis, K. 180, 57 Kerrigan, B.K. 180, 221 Ko, Y.-C. 180, 211 Ko, K.-N. 180, 211 Kolodynska, V.V. 180, 87 Kolodynski, A.A. 180, 87 Krause, C. 180, 95 Krizbergs, R. 180, 51

Lai, J.-S. 180, 211 Lee, C.-C. 180, 211 Linkov, I. 180, 229 Liou, S.-H. 180, 211 Lutsko, A. 180, 229

Magone, I. 180, 75 Mathison, G.W. 180, 221 McCourt, J. 180, 241 Monterroso Martínez, C. 180, 137, 147 Morales, J.A. 180, 155

Neal, C. 180, 187 Nikodemus, O. 180, 57 Norokorpi, Y. 180, 117

Pirela, D. 180, 155 Plaisance, H. 180, 257 Popescu, M. 180, 95

Raposo, F.C. 180, 241 Rathbun, R.E. 180, 125 Reimer, K.J. 180, 165 Reynolds, B. 180, 183 Rimkevich, V. 180, 229 Robson, A.J. 180, 187 Rodriguez, A. 180, 241 Romanuks, A. 180, 51 Roussel, I. 180, 257 Rutherford, P.M. 180, 201 Ruuskanen, J. 180, 117

Sandblom, J. 180, 19 Schell, W.R. 180, 229 Schmutz, P. 180, 43 Schulz, C. 180, 95 Selga, T. 180, 65 Selga, M. 180, 65 Shkirmante, B. 180, 35 Siegenthaler, J. 180, 43 Slutskii, L. 180, 35 Stäger, C. 180, 43 Szmigielski, S. 180, 9

Tarjan, D. 180, 43 Tjarve, D. 180, 57 Trepka, M.J. 180, 95 Turauska, A. 180, 35

Verburg, T.G. 180, 107 Vlach, I. 180, 221

Wichmann, H.-E. 180, 95 Wjst, M. 180, 95 Wolterbeek, H.Th. 180, 107 Wu, T.-N. 180, 211 Wu, Y.-Q. 180, 211

Yang, G.-Y. 180, 211 Yang, T. 180, 211

Zhuchenko, T.A. 180, 229 Znotina, V. 180, 57





The Science of the Total Environment 180 (1996) 273-276

the Science of the Total Environment

An international Journal for Scientific Research

Subject index

Volume 180 (1996)

Adolescent; Electromagnetic field; Motor reaction; Memory; Attention 180, 87

Animals; Radio frequency; Electromagnetic fields; Soft tissue wounds 180, 35

Arsenic: Biomonitoring: Epidemiology: Children 180, 95

Arsenic: Organoarsenicals: Methylation: Freshwater: Porewater: Diagenesis: Sediments 180, 165

Atmospheric deposition; Bulk precipitation; Throughfall; Base cations: Forestry; Sitka spruce 180, 183

Attention: Electromagnetic field: Adolescent: Motor reaction: Memory 180, 87

Available phosphorus; Mine soils; Phosphate solubility; Saturation index: Solubility equilibria 180, 147

Available phosphorus; Mine soils; Phosphorus sorption 180, 137

Base cations; Bulk precipitation; Throughfall; Atmospheric deposition; Forestry; Sitka spruce 180, 183

Beech; Microwave radiation; Electromagnetic fields; Forest damage; Spruce 180, 43

Biomonitoring; Arsenic; Epidemiology; Children 180, 95

Blomonitoring; Quality; Signal-to-noise ratio; Local variance; Survey variance; Mosses; Lichens; Tree bark 180, 107

Bivalves; Trace metals; Metal accumulation; Cytosol; Season; Macoma balthica; Westerschelde estuary 180, 241

Blood lead levels; Chinese herbal drug; Taiwanese 180, 211

Bulk precipitation; Throughfall; Atmospheric deposition; Base cations; Forestry; Sitka spruce 180, 183

By-product gypsum; 210Pb; Phosphate; 226Ra; Thorium; Uranium 180, 201

Chernobyl: Forest: Radionuclide contamination: Forest ecosystem modeling: Forest sampling 180, 229

Children: Arsenic: Biomonitoring: Epidemiology 180, 95

Chinese berbal drug: Blood lead levels: Taiwanese 180, 211

Chlorination; Trihalomethane; Chloroform; Mississippi River; Missouri River; Ohio River 180, 125

Chloroform: Trihalomethane: Chlorination: Mississippi River: Missouri River: Ohio River 180, 125

Chloroplasts; Pinus sylvestris L.; Golgi apparatus; Osmiophilic globules 180, 65

Cows: Electromagnetic radiation; Peripheral erythrocytes; Micronuclei 180, 81

Cytosol: Trace metals: Metal accumulation: Season: Bivalves: Macoma balthica; Westerschelde estuary 180, 241

Dendroecology; Radio-frequency electromagnetic radiation; Radars; Tree rings 180, 57

Diagenesis; Arsenic; Organoarsenicals; Methylation; Freshwater; Porewater; Sediments 180, 165

Electromagnetic field; Adolescent; Motor reaction; Memory; Attention 180, 87

Electromagnetic fields; Microwave radiation; Forest damage; Spruce; Beech 180, 43

Electromagnetic fields; Radio frequency; Animals; Soft tissue wounds 180, 35

Electromagnetic radiation; Cows; Peripheral erythrocytes; Micronuclei 180, 81

Electromagnetic radiation; Radio location; Pulse mode; Radar 180, 51

Electromagnetic radiation; Radio-frequency; Radio location station; Radar 180, 49

Electromagnetic radiation, plant deformities; Radio frequency electromagnetic radiation; Radar; Spirodela polyrhiza L.; Electromagnetic radiation, plant growth; Electromagnetic radiation, plant reproduction 180, 75

Electromagnetic radiation, plant growth; Radio frequency electromagnetic radiation; Radar; Spirodela polyrhiza L.; Electromagnetic radiation, plant reproduction; Electromagnetic radiation. plant deformities 189. 75

Electromagnetic radiation, plant reproduction; Radio frequency electromagnetic radiation; Radar; Spirodela polyrhiza L.; Electromagnetic radiation, plant growth; Electromagnetic radiation, plant deformities 180, 75

Elemental composition; High-volume air sampling; Tropical savannah 180, 155

Epidemiological studies; Radio-frequency radiation, health effects; Microwave radiation, health effects; Radar, health effects 180, 3

Epidemiology; Arsenic; Biomonitoring; Children 180, 95

Factor analysis; Precipitation chemistry; Hierarchical cluster analysis; France 180, 257

Feedform; Methane; Ruminant; Food intake 180, 221

Food intake; Methane; Ruminant; Feedform 180, 221

Forest; Chernobyl; Radionuclide contamination; Forest ecosystem modeling; Forest sampling 180, 229

Forest damage; Microwave radiation; Electromagnetic fields; Spruce; Beech 180, 43

Forest ecosystem modeling; Chernobyl; Forest; Radionuclide contamination; Forest sampling 180, 229

Forest sampling; Chernobyl; Forest; Radionuclide contamination; Forest ecosystem modeling 180, 229

Forestry; Bulk precipitation; Throughfall; Atmospheric deposition; Base cations; Sitka spruce 180, 183

France; Precipitation chemistry; Hierarchical cluster analysis; Factor analysis 180, 257

Freshwater; Arsenic; Organoarsenicals; Methylation; Porewater; Diagenesis; Sediments 180, 165

Golgi apparatus; Pinus sylvestris L.; Chloroplasts; Osmiophilic globules 180, 65

Groundwater; Heterogeneity; Weathering; Modelling; Soil water 180, 187

Heterogeneity; Weathering; Modelling; Soil water; Groundwater 180, 187

Hierarchical cluster analysis; Precipitation chemistry; Factor analysis; France 180, 257

High-volume air sampling; Elemental composition; Tropical savannah 180, 155

Intracellular Ca²⁺; Magnetic field; Poly-l-lysine; T lymphocyte 180, 19

Lichens; Biomonitoring; Quality; Signal-to-noise ratio; Local variance; Survey variance; Mosses; Tree bark 180, 107

Local variance; Biomonitoring; Quality; Signal-to-noise ratio; Survey variance; Mosses; Lichens; Tree bark 180, 107

Macoma balthica; Trace metals; Metal accumulation; Cytosol; Season; Bivalves; Westerschelde estuary 180, 241

Magnetic field; Intracellular Ca²⁺; Poly-I-lysine; T lymphocyte 180, 19

Memory; Electromagnetic field; Adolescent; Motor reaction; Attention 180, 87

Metal accumulation; Trace metals; Cytosol; Season; Bivalves; Macoma balthica; Westerschelde estuary 180, 241

Methane; Ruminant; Feedform; Food intake 180, 221

Methylation; Arsenic; Organoarsenicals; Freshwater; Porewater; Diagenesis; Sediments 180, 165

Micronuclei; Electromagnetic radiation; Cows; Peripheral erythrocytes 180, 81

Microwave radiation; Electromagnetic fields; Forest damage; Spruce; Beech 180, 43

Microwave radiation, cancer morbidity; Radiofrequency radiation, cancer morbidity; Military personnel; Poland 180, 9

Microwave radiation, health effects; Radio-frequency radiation, health effects; Radar, health effects; Epidemiological studies 180, 3

Military personnel; Radiofrequency radiation, cancer morbidity; Microwave radiation, cancer morbidity; Poland 180, 9

Mine soils; Available phosphorus; Phosphate solubility; Saturation index; Solubility equilibria 180, 147

Mine soils; Available phosphorus; Phosphorus sorption 180, 137

Mississippi River; Trihalomethane; Chloroform; Chlorination; Missouri River: Ohio River 180, 125

Missouri River; Trihalomethane; Chloroform; Chlorination; Mississippi River; Ohio River 180, 125

Modelling; Heterogeneity; Weathering; Soil water; Groundwater 180, 187

Mosses; Biomonitoring; Quality; Signal-to-noise ratio; Local variance; Survey variance; Lichens; Tree bark 180, 107

Motor reaction; Electromagnetic field; Adolescent; Memory; Attention 180, 87

Ohlo River; Trihalomethane; Chloroform; Chlorination; Mississippi River; Missouri River 180, 125

Organoarsenicals; Arsenic; Methylation; Freshwater; Porewater; Diagenesis; Sediments 180, 165

Osmiophilic globules; Pinus sylvestris L.; Chloroplasts; Golgi apparatus 180, 65

210Pb; By-product gypsum; Phosphate; ²²⁶Ra; Thorium; Uranium 180, 201

Peripheral erythrocytes; Electromagnetic radiation; Cows; Micronuclei 180, 81

Phosphate; By-product gypsum; ²¹⁰Pb; ²²⁶Ra; Thorium; Uranium 180, 201

Phosphate solubility; Mine soils; Available phosphorus; Saturation index; Solubility equilibria 180, 147

Phosphorus sorption; Mine soils; Available phosphorus 180, 137

Picea abies; Pinus sylvestris; Rural area; Secondary pollutant; TCA; Xenobiotic 180, 117

Pinus sylvestris L.; Chloroplasts; Golgi apparatus; Osmiophilic globules 180, 65

Pisus sylvestris; Picea abies; Rural area; Secondary pollutant; TCA; Xenobiotic 180, 117

Poland; Radiofrequency radiation, cancer morbidity; Microwave radiation, cancer morbidity; Military personnel 180, 9 Poly-I-lysine; Magnetic field; Intracellular Ca²⁺; T lymphocyte 180, 19

Porewater; Arsenic; Organoarsenicals; Methylation; Freshwater; Diagenesis; Sediments 180, 165

Precipitation chemistry; Hierarchical cluster analysis; Factor analysis; France 180, 257

Pulse mode; Radio location; Electromagnetic radiation; Radar 180, 51

Quality; Biomonitoring; Signal-to-noise ratio; Local variance; Survey variance: Mosses: Lichens: Tree bark 180, 107

²²⁶Ra; By-product gypsum; ²¹⁰Pb; Phosphate; Thorium; Uranium 180, 201

Radar; Radio frequency electromagnetic radiation; Spirodela polyrhiza L.; Electromagnetic radiation, plant growth; Electromagnetic radiation, plant reproduction; Electromagnetic radiation, plant deformities 180, 75

Radar; Radio location; Electromagnetic radiation; Pulse mode 180, 51

Radar; Radio-frequency; Electromagnetic radiation; Radio location station 180, 49

Radar, health effects; Radio-frequency radiation, health effects; Microwave radiation, health effects; Epidemiological studies 180. 3

Radars; Radio-frequency electromagnetic radiation; Tree rings; Dendroecology 180, 57

Radio frequency; Electromagnetic fields; Animals; Soft tissue wounds 180, 35

Radio frequency electromagnetic radiation; Radar; Spirodela polyrhiza L.; Electromagnetic radiation, plant growth; Electromagnetic radiation, plant reproduction; Electromagnetic radiation, plant deformities 180, 75

Radio location; Electromagnetic radiation; Pulse mode; Radar 180, 51

Radio location station; Radio-frequency; Electromagnetic radiation; Radar 180, 49

Radio-frequency; Electromagnetic radiation; Radio location station; Radar 180, 49

Radio-frequency electromagnetic radiation; Radars; Tree rings; Dendroecology 180, 57

Radio-frequency radiation, health effects; Microwave radiation,

health effects; Radar, health effects; Epidemiological studies 180, 3

Radiofrequency radiation, cancer morbidity; Microwave radiation, cancer morbidity; Military personnel; Poland 180, 9

Radionaclide contamination; Chernobyl; Forest; Forest ecosystem modeling: Forest sampling 180, 229

Ruminant; Methane; Feedform; Food intake 180, 221

Rural area; Picea abies; Pinus sylvestris; Secondary pollutant; TCA; Xenobiotic 180, 117

Saturation index; Mine soits; Available phosphorus; Phosphate solubility: Solubility equilibria 180, 147

Season; Trace metals; Metal accumulation; Cytosol; Bivalves; Macoma balthica; Westerschelde estuary 180, 241

Secondary pollutant; Picea abies; Pinus sylvestris; Rural area; TCA; Xenobiotic 180, 117

Sediments; Arsenic; Organoarsenicals; Methylation; Freshwater; Porewater; Diagenesis 180, 165

Signal-to-noise ratio; Biomonitoring; Quality; Local variance; Survey variance: Mosses: Lichens: Tree bark 180, 107

Sitka spruce; Bulk precipitation; Throughfall; Atmospheric deposition; Base cations; Forestry 180, 183

Soft tissue wounds; Radio frequency; Electromagnetic fields; Animals 180, 35

Soil water; Heterogeneity; Weathering; Modelling; Groundwater 180, 187

Solubility equilibria; Mine soils; Available phosphorus; Phosphate solubility; Saturation index 180, 147

Spirodela polyrhiza L.; Radio frequency electromagnetic radiation; Radar; Electromagnetic radiation, plant growth; Electromagnetic radiation, plant reproduction; Electromagnetic radiation, plant deformities 180, 75 Spruce; Microwave radiation; Electromagnetic fields; Forest damage; Beech 180, 43

Survey variance; Biomonitoring; Quality; Signal-to-noise ratio; Local variance; Mosses; Lichens; Tree bark 180, 107

T lymphocyte; Magnetic field; Intracellular Ca²⁺; Poly-lysine 180, 19

Taiwanese: Blood lead levels; Chinese herbal drug 180, 211

TCA; Picea abies; Pinus sylvestris; Rural area; Secondary pollutant: Xenobiotic 180, 117

Thorium; By-product gypsum; ²¹⁰Pb; Phosphate; ²²⁶Ra; Uranium 180, 201

Throughfall; Bulk precipitation; Atmospheric deposition; Base cations; Forestry; Sitka spruce 180, 183

Trace metals; Metal accumulation; Cytosol; Season; Bivalves; Macoma balthica; Westerschelde estuary 180, 241

Tree bark; Biomonitoring; Quality; Signal-to-noise ratio; Local variance: Survey variance: Mosses: Lichens 180, 107

Tree rings; Radio-frequency electromagnetic radiation; Radars; Dendroecology 180, 57

Trihalomethane; Chloroform; Chlorination; Mississippi River; Missouri River; Ohio River 180, 125

Tropical savannah; High-volume air sampling; Elemental composition 180, 155

Uranium; By-product gypsum; ²¹⁰Pb; Phosphate; ²²⁶Ra; Thorium 180, 201

Weathering; Heterogeneity; Modelling; Soil water; Groundwater 180, 187

Westerschelde estuary; Trace metals; Metal accumulation; Cytosol; Season; Bivalves; Macoma balthica 180, 241

Xenobiotic; Picea abies; Pinus sylvestris; Rural area; Secondary pollutant: TCA 180, 117

